

Abstract

The invention relates to polymerisable dental compositions which contain

- 5 (a) 10 to 98.999 wt.-% of at least one bi- or higher-functional ethylenically unsaturated monomer,
- (b) 0 to 88.999 wt.-% of at least one monofunctional ethylenically unsaturated monomer,
- (c) 0 to 5 wt.-% of an accelerator,
- 10 (d) 0.001 to 5 wt.-% of a redox initiator system which can trigger the radical polymerisation and
- (e) 0 to 88.999 wt.-% fillers, thixotropic auxiliaries, retarders and other auxiliaries
- (f) 1 to 30 wt.-% of a customary plasticizer
- 15 and are characterized in that the redox initiator system comprises (i) a barbituric acid derivative and/or a malonyl sulfamide and (ii) an organic peroxide, selected from the group of the mono- or multifunctional carboxylic acid peroxyesters, and the constituents (a) to (f) are present in two pastes spatially separated from each other. The dental compositions are suitable as filling material, stump build-up material,
- 20 fixing cement, temporary crown and bridge material, dental material or for the preparation of inlays, onlays, facing shells, modelling materials.